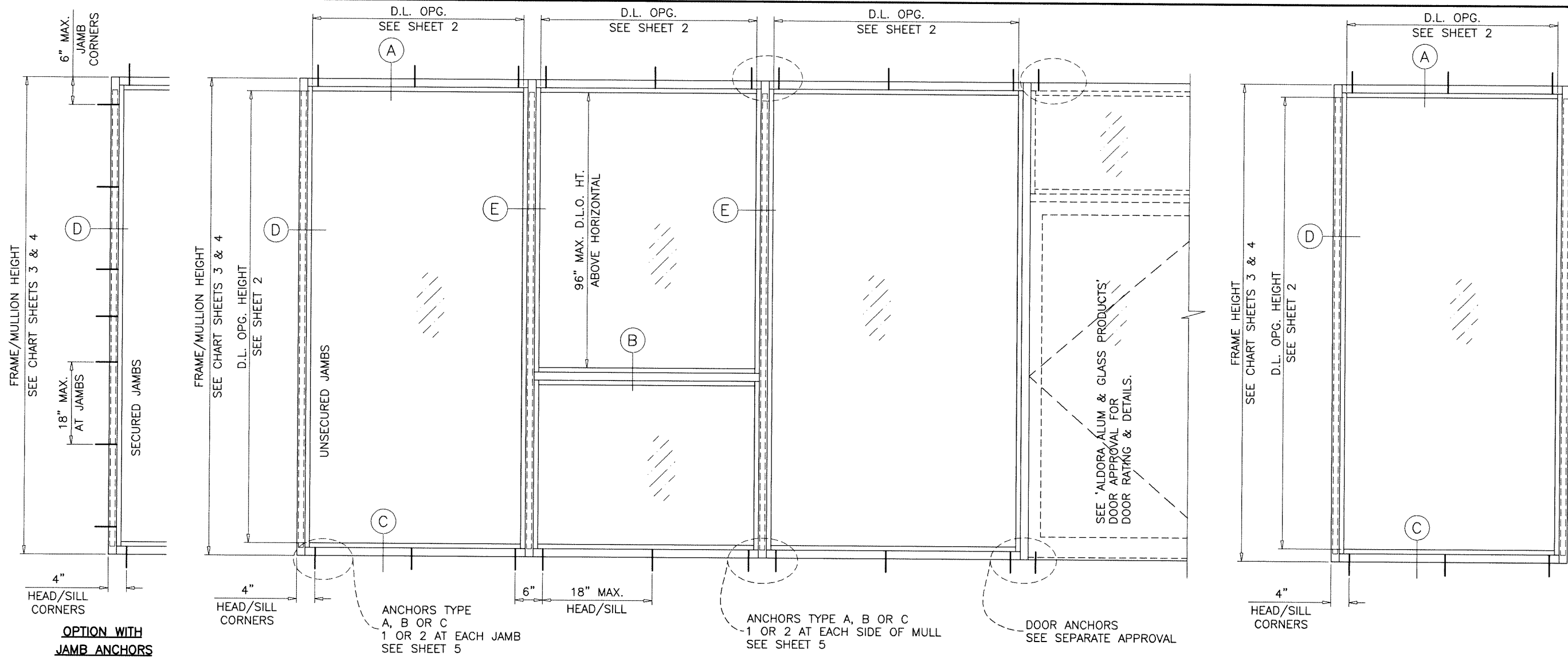




## SERIES SMI-090 ALUMINUM WINDOW WALL

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH F.B.C. APPR'D DOORS.

LOWER DESIGN PRESSURE FROM STOREFRONT OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION) FLORIDA BUILDING CODE FOR NON HIGH VELOCITY HURRICANE ZONE.

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

## TYPICAL ELEVATIONS

### INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3 & 4. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHART ON SHEETS 5 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

WINDOW WALL IS NOT RATED FOR IMPACT.

INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

Sealed: 4/1/2025

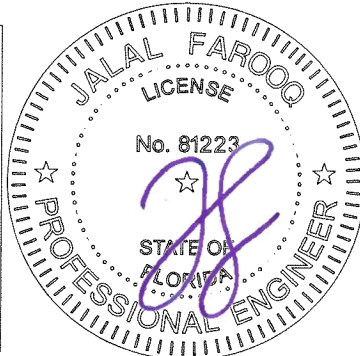
FL #25948

A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



**af**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
(C.A.N. 3538)

SERIES SMI-090 ALUM WINDOW WALL (N.I.)

**Aldora Aluminum & Glass Products Inc.**

4250 Coral Ridge Drive, Suite 101  
Coral Springs, FL. 33065  
Tel. (954) 784-6900 Fax. (954) 784-6901

| revisions: | no | date | by | description |
|------------|----|------|----|-------------|
|            |    |      |    |             |
|            |    |      |    |             |
|            |    |      |    |             |
|            |    |      |    |             |

|          |            |
|----------|------------|
| date:    | 03-19-25   |
| scale:   | 1/2"=1'-0" |
| dr. by:  | TARIQ      |
| chk. by: |            |

drawing no.

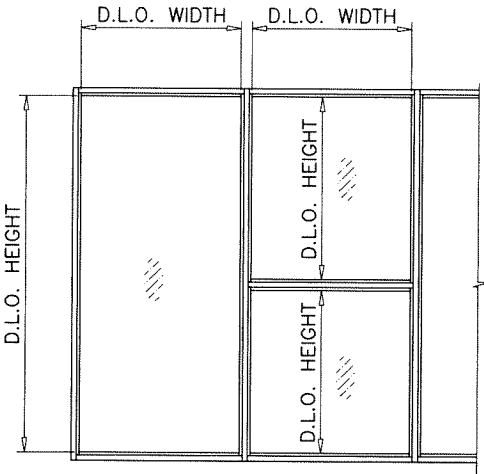
**25-37F**

sheet 1 of 10

COMP-ANL\25-37F-AGP

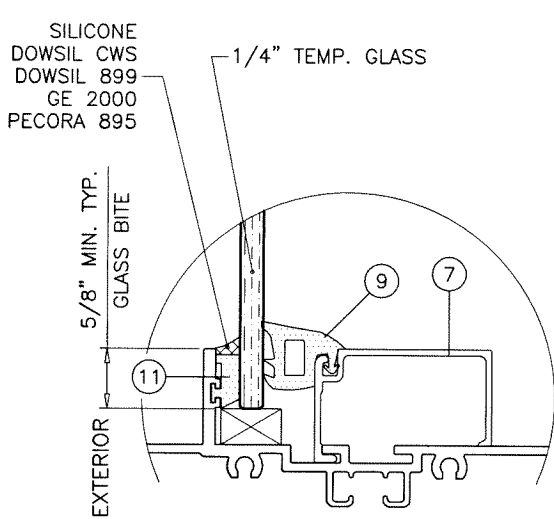
| GLASS LOAD CAPACITY - PSF |               |                 |                 |
|---------------------------|---------------|-----------------|-----------------|
| NOMINAL DIMS.             |               | GLASS TYPES     |                 |
|                           |               | 'A'             | 'A1'            |
| D.L.O. WIDTH              | D.L.O. HEIGHT | EXT.(+) INT.(-) | EXT.(+) INT.(-) |
| 26-1/4"                   | 84-1/2"       | 60.0            | 60.0            |
| 32-1/4"                   |               | 60.0            | 60.0            |
| 38-1/4"                   |               | 60.0            | 60.0            |
| 44-1/4"                   |               | 60.0            | 60.0            |
| 50-1/4"                   |               | 60.0            | 60.0            |
| 56-1/4"                   |               | 60.0            | 60.0            |
| 26-1/4"                   | 96-1/2"       | 60.0            | 60.0            |
| 32-1/4"                   |               | 60.0            | 60.0            |
| 38-1/4"                   |               | 60.0            | 60.0            |
| 44-1/4"                   |               | 60.0            | 60.0            |
| 50-1/4"                   |               | 60.0            | 60.0            |
| 26-1/4"                   | 114-1/2"      | 60.0            | 60.0            |
| 32-1/4"                   |               | 60.0            | 60.0            |
| 38-1/4"                   |               | 60.0            | 60.0            |
| 44-1/4"                   |               | 60.0            | 60.0            |
| 26-1/4"                   | 126-1/2"      | 60.0            | 60.0            |
| 32-1/4"                   |               | 60.0            | 60.0            |
| 38-1/4"                   |               | 60.0            | 60.0            |
| 26-1/4"                   | 138-1/2"      | 60.0            | 60.0            |
| 32-1/4"                   |               | 60.0            | 60.0            |

NOTE:  
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

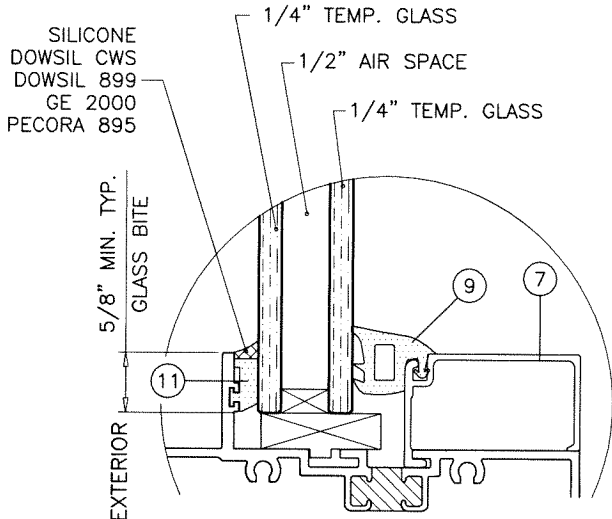


D.L.O. HEIGHT = FRAME HEIGHT - 5.5" (WINDOW WALL SYS. W/O HORIZONTALS)  
D.L.O. WIDTH = FRAME WIDTH - 5.5" (SINGLE PANEL)  
MULLION CL TO CL SPACING - 3.75" (MULTIPLE PANELS)

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

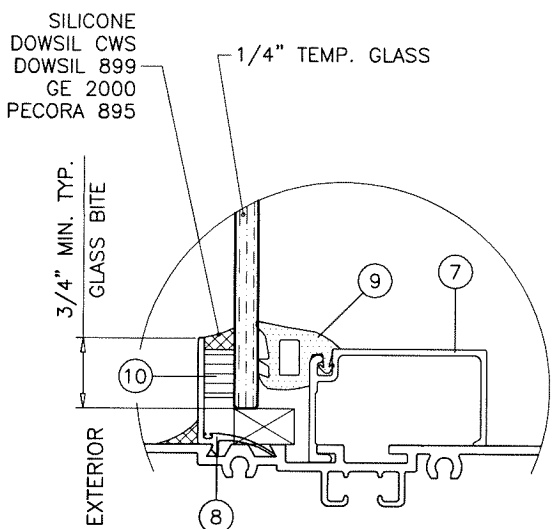
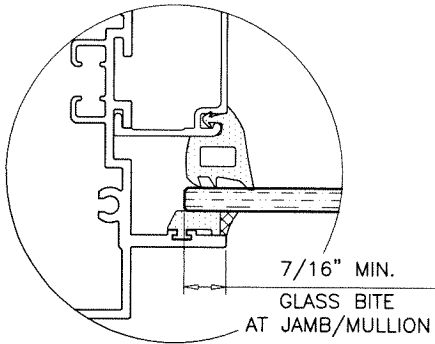


GLASS TYPE 'A'  
MONOLITHIC GLASS

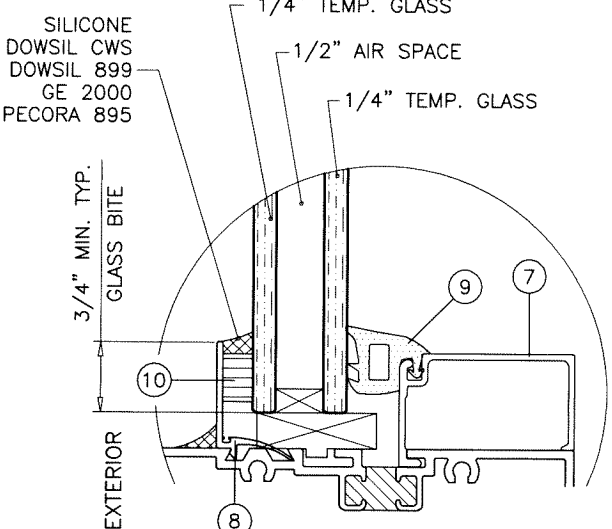


GLASS TYPE 'A1'  
1" OVERALL INSUL. GLASS

### GLAZING OPTIONS INTERIOR GLAZED

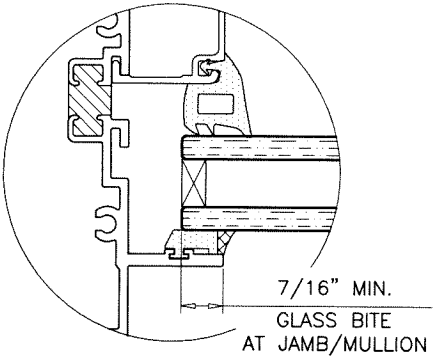


GLASS TYPE 'A'  
MONOLITHIC GLASS



GLASS TYPE 'A1'  
1" OVERALL INSUL. GLASS

### GLAZING OPTIONS EXTERIOR GLAZED



1/2" AIR SPACE CONSISTING OF:  
SPACER:  
ALUMINUM BOX SPACER AROUND  
THE PERIMETER OF THE GLASS.  
PERIMETER SEALANT:  
SILICONE  
DOWSIL CWS  
DOWSIL 899  
GE 2000  
PECORA 895

Sealed: 4/1/2025

GLASS

FL #25948



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
(C.A.N. 3538)

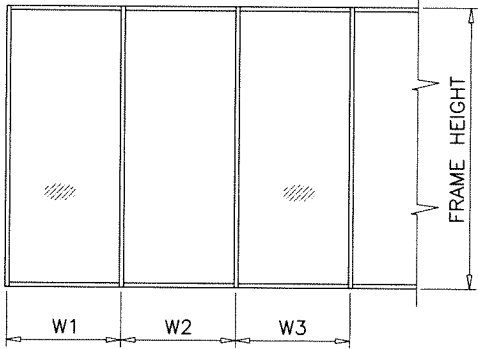
SERIES SMI-090 ALUM WINDOW WALL (N.I.)  
**Aldora Aluminum & Glass Products Inc.**  
4250 Coral Ridge Drive, Suite 101  
Coral Springs, FL. 33065  
Tel. (954) 784-6900 Fax. (954) 784-6901

| revisions:  |          | no date by description |           |
|-------------|----------|------------------------|-----------|
| date:       | 03-19-25 | scale:                 | 1/2" = 1" |
| dr. by:     | TARIQ    | chk. by:               |           |
| drawing no. |          | 25-37F                 |           |
| sheet       |          | 2 of 10                |           |

COMP-ANL\25-37F-AGP

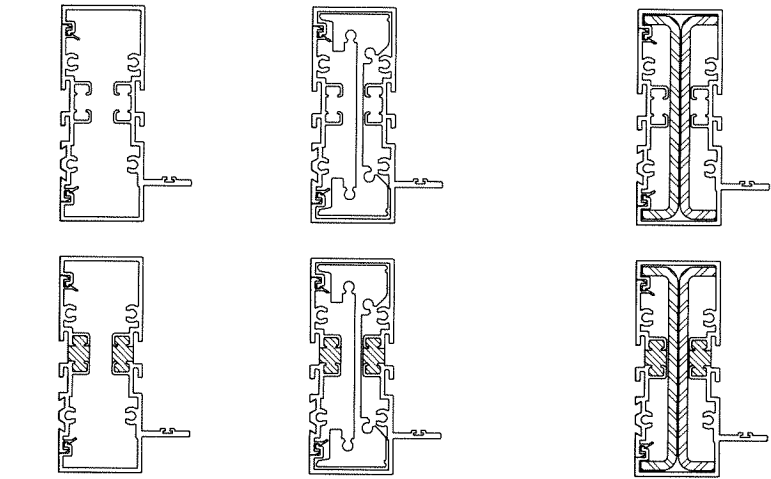
| DESIGN LOAD CAPACITY - PSF<br>JAMB/MULLION WITHOUT INTERMEDIATE HORIZONTALS |              |                      |                      |                      |
|-----------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                               |              | JAMB 'J1'            | JAMB 'J2'            | JAMB 'J3'            |
| WIDTH (W)                                                                   | FRAME HEIGHT | MULLION 'M1'         | MULLION 'M2'         | MULLION 'M3'         |
|                                                                             |              | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 30"                                                                         | 84"          | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 48"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 54"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 60"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 30"                                                                         | 90"          | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 48"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 54"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 60"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 96"          | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | 56.5                 | 60.0                 | 60.0                 |
| 48"                                                                         |              | 50.7                 | 60.0                 | 60.0                 |
| 54"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 60"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 102"         | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 53.4                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | 46.7                 | 60.0                 | 60.0                 |
| 48"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 54"                                                                         |              | -                    | -                    | 60.0                 |
| 60"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 108"         | 53.0                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 44.8                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | 39.0                 | 60.0                 | 60.0                 |
| 48"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 30"                                                                         | 114"         | 44.9                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 37.9                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 48"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 120"         | 38.4                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 32.4                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 48"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 126"         | 33.1                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 42"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 132"         | -                    | 60.0                 | 60.0                 |
| 36"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 42"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 138"         | -                    | 60.0                 | 60.0                 |
| 36"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 30"                                                                         | 144"         | -                    | 60.0                 | 60.0                 |
| 36"                                                                         |              | -                    | 54.6                 | 60.0                 |

NOTE:  
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1  
AT FRAME JAMB

WIDTH (W) =  $\frac{W2 + W3}{2}$   
AT FRAME MULLION



JAMB 'J1'

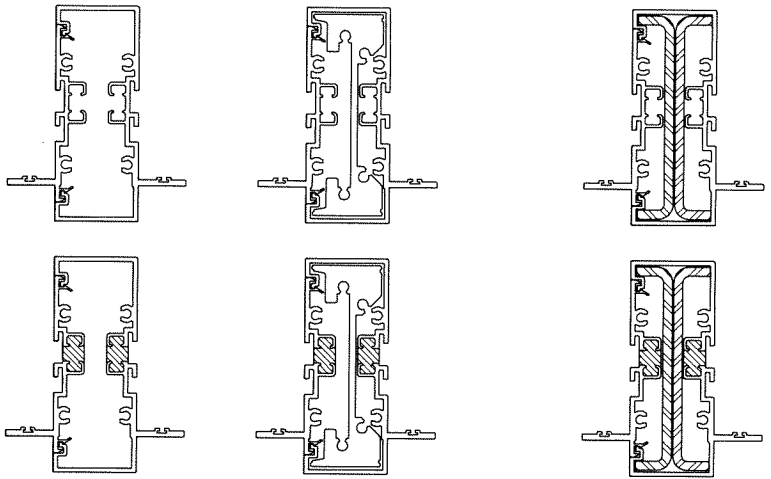
| Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|--------------------|--------------------|
| 3.634              | 1.720              |

JAMB 'J2'

| Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|--------------------|--------------------|
| 9.241              | 4.375              |

JAMB 'J3'

|                                 | Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|---------------------------------|--------------------|--------------------|
| ALUMINUM                        | 3.634              | 1.720              |
| STEEL                           | 4.146              | 1.951              |
| TOTAL<br>Ix ALUM + Ix STL X 2.9 | 15.657             |                    |



MULLION 'M1'

| Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|--------------------|--------------------|
| 3.8536             | 1.6146             |

MULLION 'M2'

| Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|--------------------|--------------------|
| 9.4606             | 3.9639             |

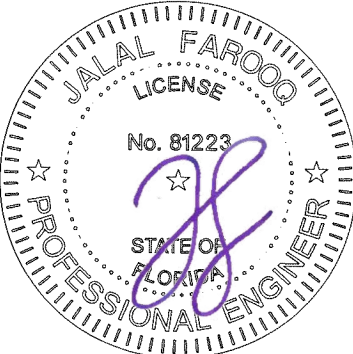
MULLION 'M3'

|                                 | Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|---------------------------------|--------------------|--------------------|
| ALUMINUM                        | 3.8536             | 1.6146             |
| STEEL                           | 3.836              | 1.8052             |
| TOTAL<br>Ix ALUM + Ix STL X 2.9 | 14.8679            |                    |

MULLIONS

FL #25948

Sealed: 4/1/2025



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173 (C.A.N. 3538)  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\25-37F-AGP

SERIES SMI-090 ALUM WINDOW WALL (N.I.)  
**Aldora Aluminum & Glass Products Inc.**  
4250 Coral Ridge Drive, Suite 101  
Coral Springs, FL. 33065  
Tel. (954) 784-6900 Fax. (954) 784-6901

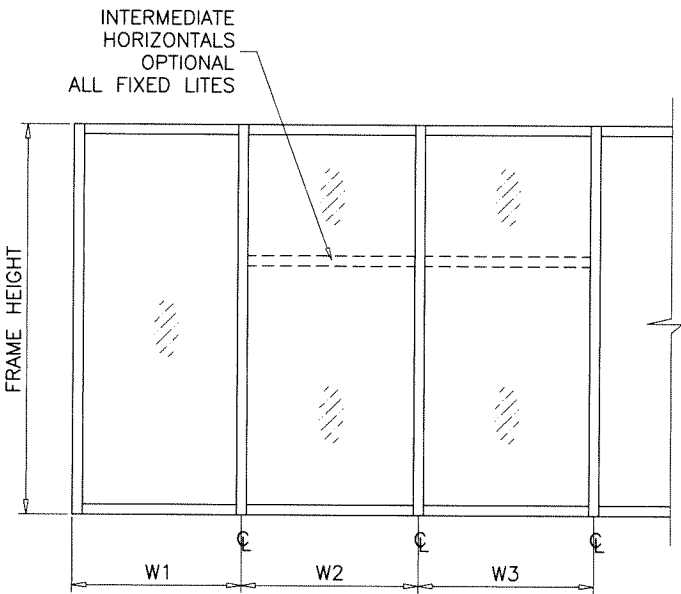
| revisions: | no | date | by | description |
|------------|----|------|----|-------------|
|            |    |      |    |             |
|            |    |      |    |             |
|            |    |      |    |             |
|            |    |      |    |             |

date: 03-19-25  
scale: -  
dr. by: TARIQ  
chk. by:

drawing no.  
**25-37F**  
sheet 3 of 10

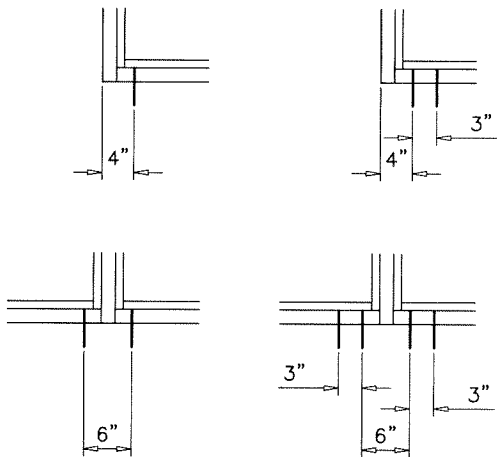


| ANCHOR LOAD CAPACITY - PSF |              |                  |      |                  |      |                  |      |
|----------------------------|--------------|------------------|------|------------------|------|------------------|------|
| EXT.(+) & INT.(-)          |              |                  |      |                  |      |                  |      |
| NOMINAL DIMS.              |              | ANCHORS TYPE 'A' |      | ANCHORS TYPE 'B' |      | ANCHORS TYPE 'C' |      |
| WIDTH (W)                  | FRAME HEIGHT | A1               | A2   | B1               | B2   | C1               | C2   |
| 30"                        | 78"          | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 57.8             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 54"                        |              | 54.4             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 60"                        |              | 52.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 30"                        | 84"          | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 56.6             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 52.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 54"                        |              | 48.7             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 60"                        |              | 46.2             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 30"                        | 90"          | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 57.8             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 51.7             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 47.3             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 54"                        |              | 44.0             | 60.0 | 57.2             | 60.0 | 60.0             | 60.0 |
| 60"                        |              | 41.6             | 60.0 | 54.1             | 60.0 | 60.0             | 60.0 |
| 30"                        | 96"          | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 53.3             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 47.5             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 43.3             | 60.0 | 56.3             | 60.0 | 60.0             | 60.0 |
| 54"                        |              | 40.2             | 60.0 | 52.3             | 60.0 | 59.2             | 60.0 |
| 60"                        |              | 37.8             | 60.0 | 49.2             | 60.0 | 55.7             | 60.0 |
| 30"                        | 102"         | 57.4             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 49.5             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 44.0             | 60.0 | 57.2             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 40.0             | 60.0 | 52.0             | 60.0 | 58.9             | 60.0 |
| 54"                        |              | 37.0             | 60.0 | 48.1             | 60.0 | 54.5             | 60.0 |
| 60"                        |              | 33.7             | 60.0 | 44.1             | 60.0 | 50.5             | 60.0 |
| 30"                        | 108"         | 53.7             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 46.2             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 41.0             | 60.0 | 53.3             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 37.1             | 60.0 | 48.3             | 60.0 | 54.7             | 60.0 |
| 30"                        | 114"         | 50.4             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 43.3             | 60.0 | 56.3             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 38.3             | 60.0 | 49.8             | 60.0 | 56.5             | 60.0 |
| 48"                        |              | 34.7             | 60.0 | 45.1             | 60.0 | 51.1             | 60.0 |
| 30"                        | 120"         | 47.5             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 40.8             | 60.0 | 53.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 36.0             | 60.0 | 46.8             | 60.0 | 53.1             | 60.0 |
| 48"                        |              | 32.5             | 60.0 | 42.3             | 60.0 | 47.9             | 60.0 |
| 30"                        | 126"         | 45.0             | 60.0 | 58.5             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 38.5             | 60.0 | 50.1             | 60.0 | 56.7             | 60.0 |
| 42"                        |              | 34.0             | 60.0 | 44.1             | 60.0 | 50.0             | 60.0 |
| 30"                        | 132"         | 42.7             | 60.0 | 55.5             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 36.5             | 60.0 | 47.4             | 60.0 | 53.8             | 60.0 |
| 42"                        |              | 32.1             | 60.0 | 41.8             | 60.0 | 47.3             | 60.0 |
| 30"                        | 138"         | 40.6             | 60.0 | 52.8             | 60.0 | 59.8             | 60.0 |
| 36"                        |              | 34.7             | 60.0 | 45.1             | 60.0 | 51.1             | 60.0 |
| 30"                        | 144"         | 38.7             | 60.0 | 50.3             | 60.0 | 57.0             | 60.0 |
| 36"                        |              | 33.0             | 60.0 | 42.9             | 60.0 | 48.6             | 60.0 |



WIDTH (W) = W1  
AT FRAME JAMB

WIDTH (W) =  $\frac{W2 + W3}{2}$   
AT FRAME MULLION



A1, B1, C1

A2, B2, C2

ANCHORS TYPES:

A1 = (1) ANCHOR TYPE 'A' AT EACH SIDE OF JAMB AND MULLION  
B1 = (1) ANCHOR TYPE 'B' AT EACH SIDE OF JAMB AND MULLION  
C1 = (1) ANCHOR TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION  
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION  
C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

WOOD BUCKS AND METAL STRUCTURE NOT BY  
'ALDORA ALUMINUM & GLASS PRODUCTS'  
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND  
TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)  
THRU 1BY BUCKS INTO CONC. OR BLOCKS  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.  
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'B'

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
DIRECTLY INTO CONCRETE OR BLOCKS  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

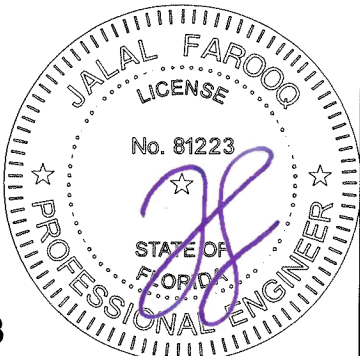
TYPE 'C'

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)  
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)  
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS  
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)  
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.  
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.  
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



Sealed: 4/1/2025

ANCHORS

FL #25948

afc

AL-FAROOQ CORPORATION  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173 (C.A.N. 3538)  
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\25-37F-AGP

SERIES SMI-090 ALUM WINDOW WALL (N.I.)

Aldora Aluminum & Glass Products Inc.

4250 Coral Ridge Drive, Suite 101  
Coral Springs, FL 33065  
Tel. (954) 784-6900 Fax. (954) 784-6901

revisions:

date: 03-19-25

scale: 1/2" = 1"

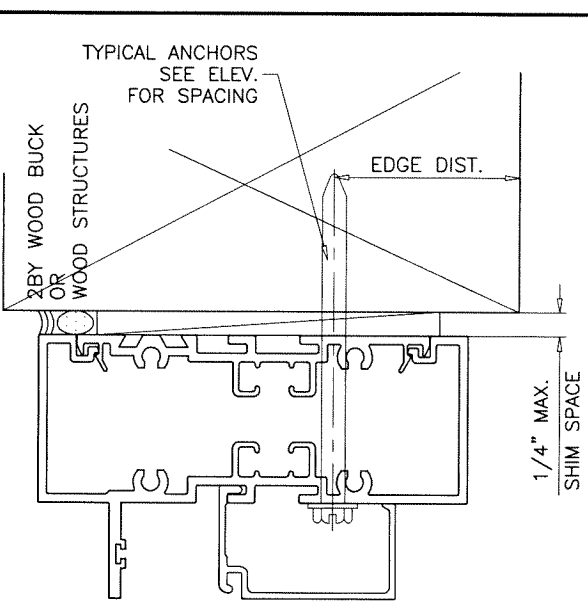
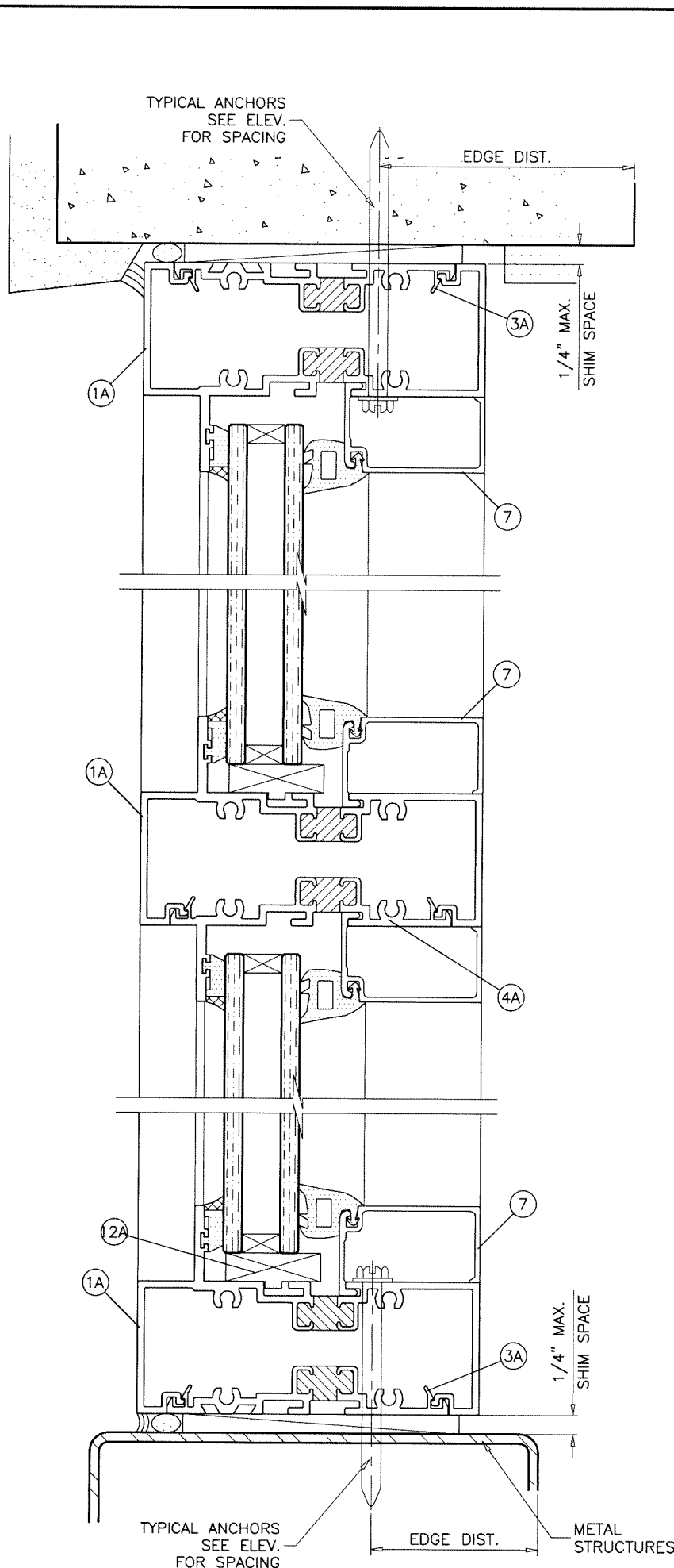
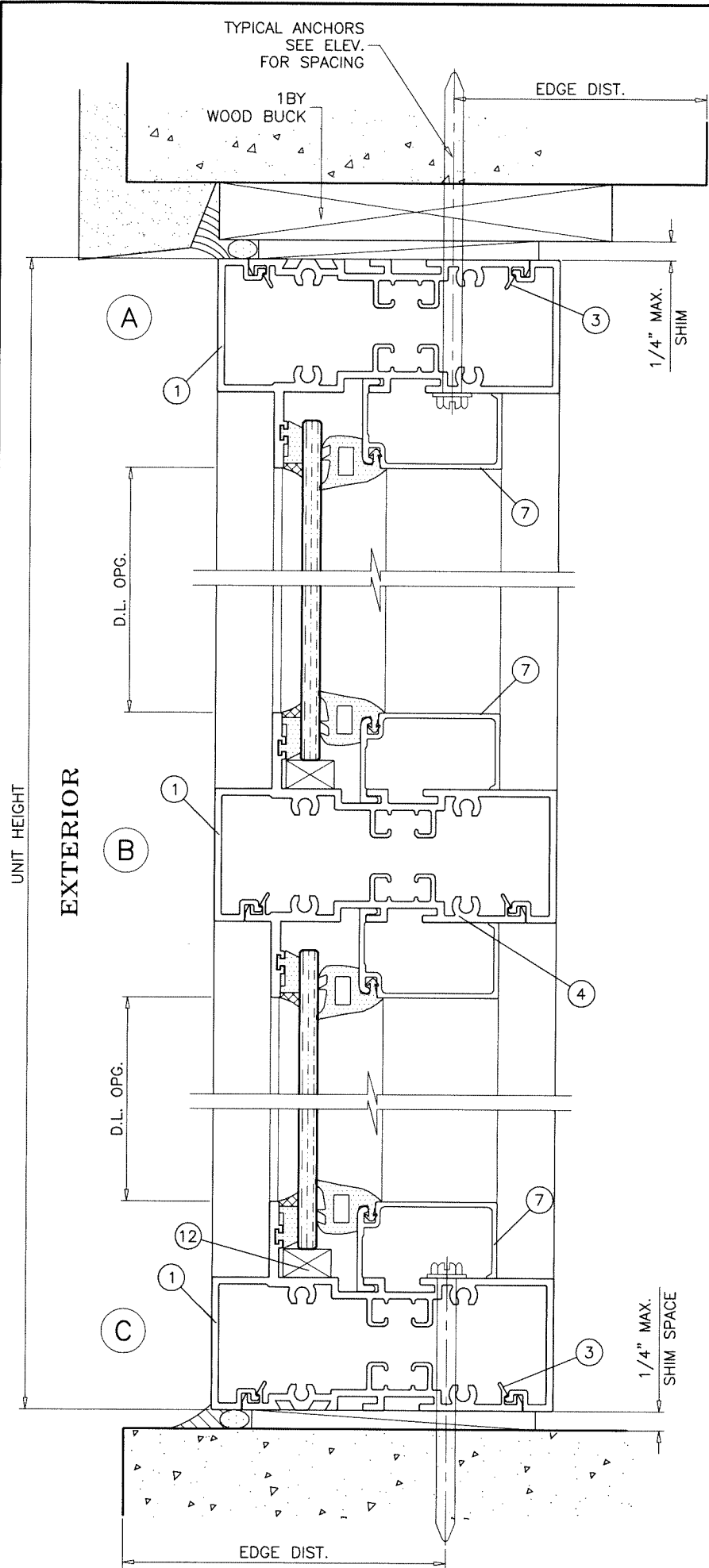
dr. by: TARIQ

chk. by:

drawing no.

25-37F

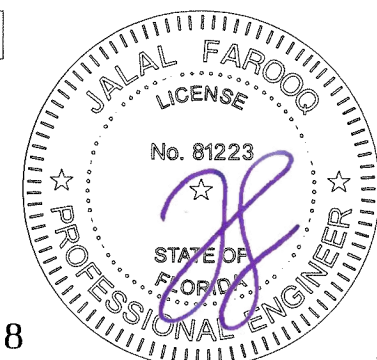
sheet 5 of 10



INTERIOR GLAZED

Sealed: 4/1/2025

FL #25948



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\25-37F-AGP

---

SERIES SMI-090 ALUM WINDOW WALL (N.I.)

**Aldora Aluminum & Glass Products Inc.**  
4250 Coral Ridge Drive, Suite 101  
Coral Springs, FL 33065  
Tel. (954) 784-6900 Fax. (954) 784-6901

| revisions: |             |
|------------|-------------|
| no         | description |
|            |             |
|            |             |
|            |             |
|            |             |
|            |             |

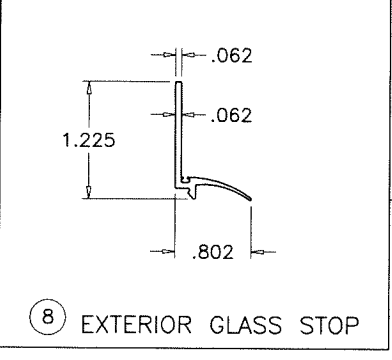
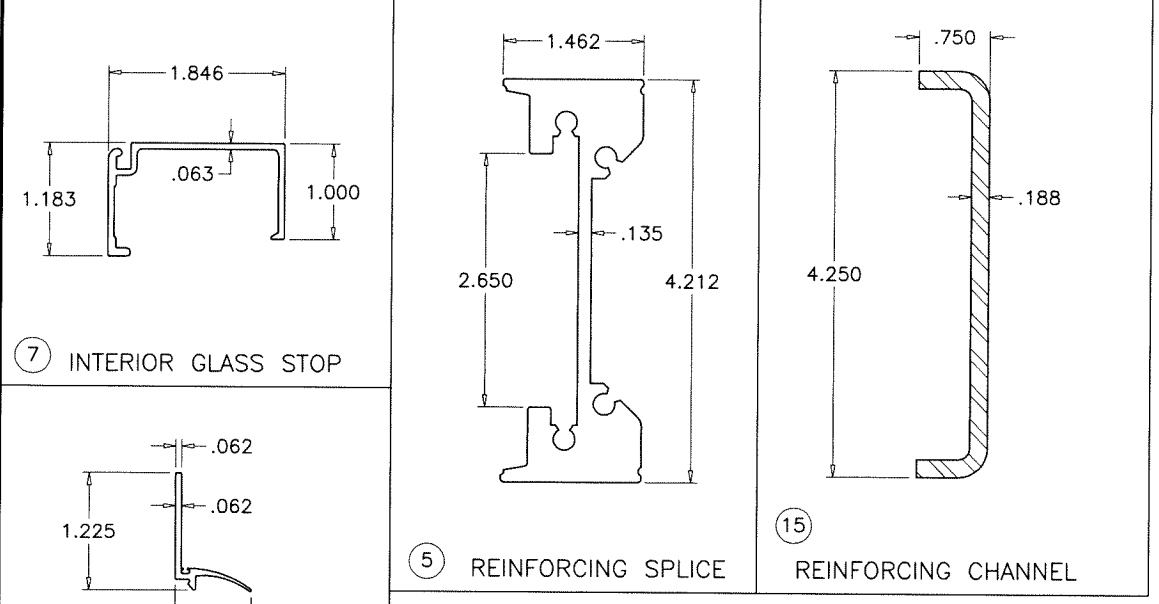
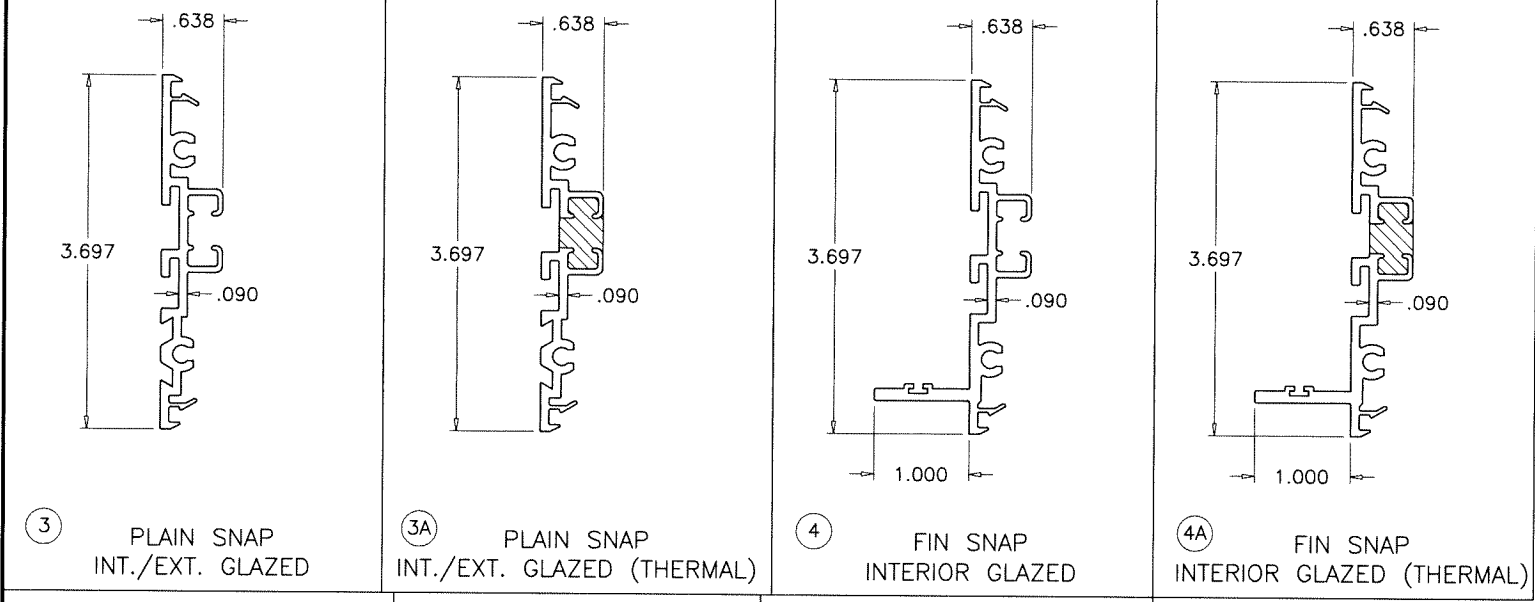
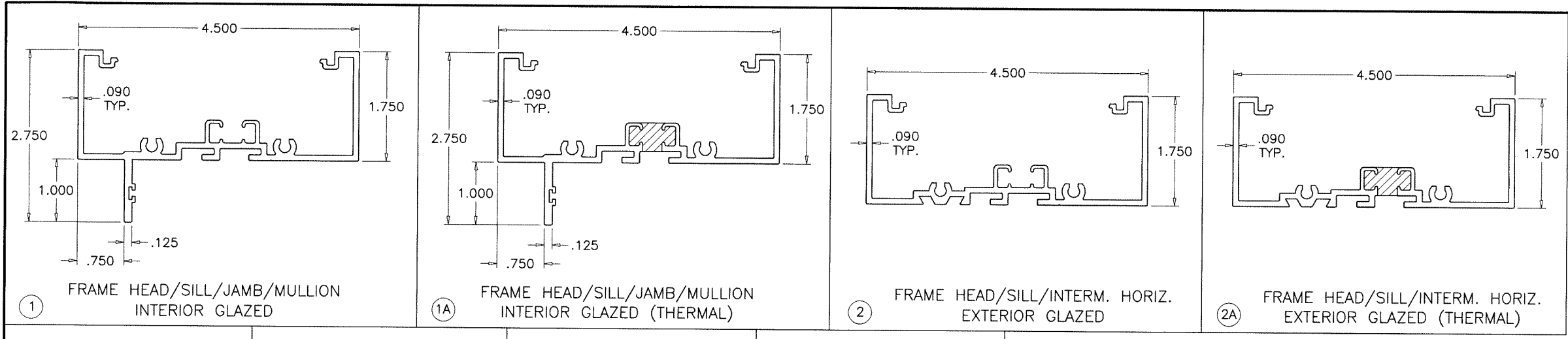
---

date: 03-19-25  
scale: 1/2" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**25-37F**  
sheet 6 of 10

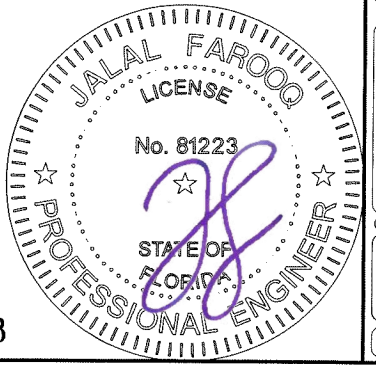






Sealed: 4/1/2025

FL #25948





**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173 (C.A.N. 3538)  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\25-37F-AGP

---

SERIES SMI-090 ALUM WINDOW WALL (N.I.)

**Aldora Aluminum & Glass Products Inc.**  
4250 Coral Ridge Drive, Suite 101  
Coral Springs, FL 33065  
Tel. (954) 784-6900 Fax. (954) 784-6901

---

| revisions: |             |
|------------|-------------|
| no         | description |
|            |             |
|            |             |
|            |             |
|            |             |
|            |             |

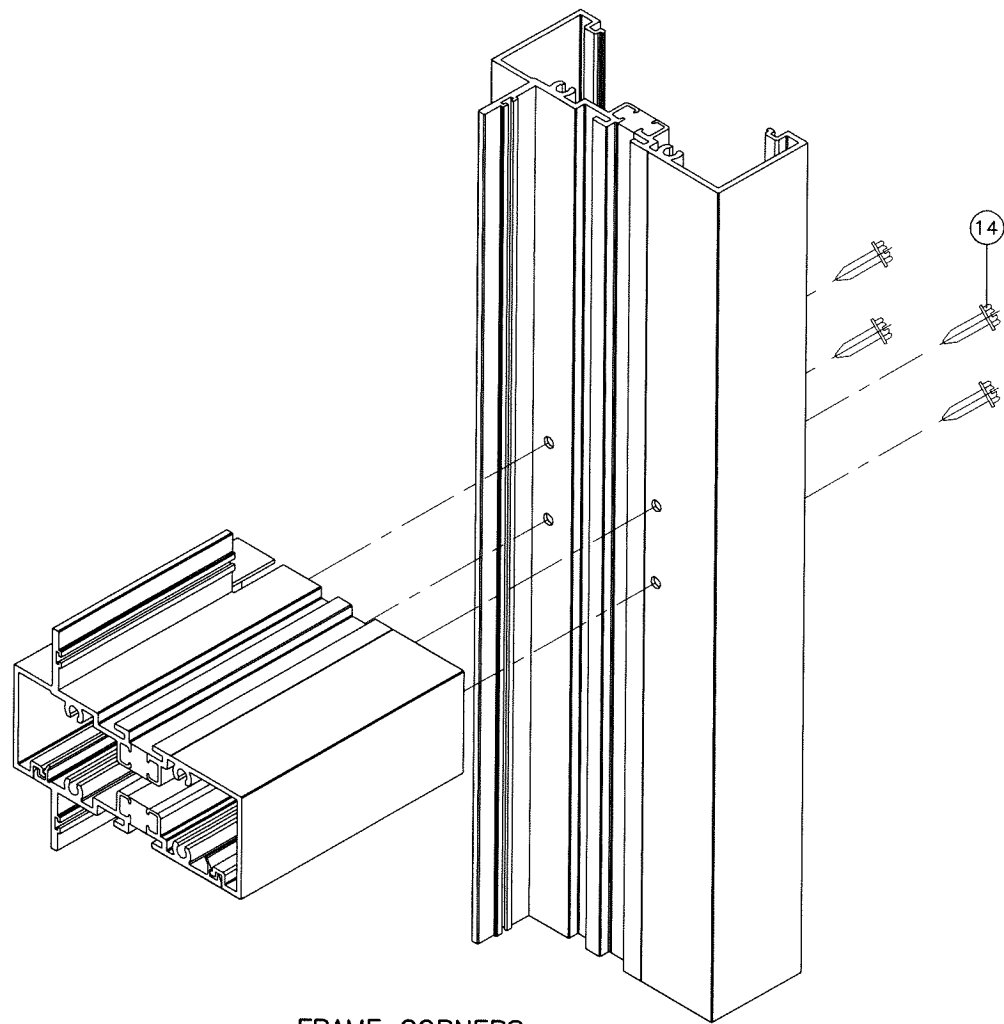
---

|                |                  |               |          |
|----------------|------------------|---------------|----------|
| date: 03-19-25 | scale: 1/2" = 1" | dr. by: TARIQ | chk. by: |
|----------------|------------------|---------------|----------|

---

drawing no.  
**25-37F**

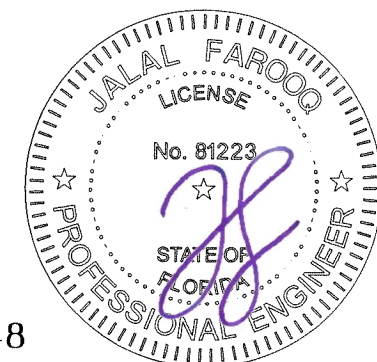
sheet 9 of 10



### FRAME CORNERS

| ITEM # | PART #       | QUANTITY  | DESCRIPTION                                                            | MATERIAL   | MANF./SUPPLIER/REMARKS   |
|--------|--------------|-----------|------------------------------------------------------------------------|------------|--------------------------|
| 1      | SMI-091      | AS REQD.  | INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION                               | 6063-T6    | SMI SYSTEMS              |
| 1A     | SMI-091T     | AS REQD.  | INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION (POUR & DEBRIDGE)             | 6063-T6    | SMI SYSTEMS              |
| 2      | SMI-098      | AS REQD.  | EXT. GLAZED FRAME HEAD/SILL/INTERM. HORIZ.                             | 6063-T6    | SMI SYSTEMS              |
| 2A     | SMI-098T     | AS REQD.  | EXT. GLAZED FRAME HEAD/SILL/INTERM. HORIZ. (POUR & DEBRIDGE)           | 6063-T6    | SMI SYSTEMS              |
| 3      | SMI-094      | AS REQD.  | INT./EXT. GLAZED PLAIN SNAP                                            | 6063-T6    | SMI SYSTEMS              |
| 3A     | SMI-094T     | AS REQD.  | INT./EXT. GLAZED PLAIN SNAP (POUR & DEBRIDGE)                          | 6063-T6    | SMI SYSTEMS              |
| 4      | SMI-093      | AS REQD.  | INT./EXT. GLAZED FIN SNAP                                              | 6063-T6    | SMI SYSTEMS              |
| 4A     | SMI-093T     | AS REQD.  | INT./EXT. GLAZED FIN SNAP (POUR & DEBRIDGE)                            | 6063-T6    | SMI SYSTEMS              |
| 5      | SMI-095      | AS REQD.  | REINFORCING SPLICE                                                     | 6005-T5    | SMI SYSTEMS              |
| 7      | SMI-092      | AS REQD.  | INTERIOR GLASS STOP                                                    | 6063-T6    | SMI SYSTEMS              |
| 8      | SMI-097      | AS REQD.  | EXTERIOR GLASS STOP                                                    | 6063-T6    | SMI SYSTEMS              |
| 9      | SMI-G08      | AS REQD.  | INTERIOR GASKET (DUROMETER 70±5)                                       | EPDM       | CENTRAL PLASTICS INC.    |
| 10     | SMI-G02      | AS REQD.  | SINGLE FACE TAPE (3/8" X 1/2")                                         | VINYL FOAM | FRANK LOWE               |
| 11     | SMI-G07      | AS REQD.  | EXTERIOR GASKET (DUROMETER 70±5)                                       | EPDM       | CENTRAL PLASTICS INC.    |
| 12     | SMI-SB06     | 2/ LITE   | SETTING BLOCK MONOLITHIC GLASS (3/8" X 5/8" X 4" LG.) (DUROMETER 85±5) | EPDM       | CENTRAL PLASTICS INC.    |
| 12A    | SMI-SB04     | 2/ LITE   | SETTING BLOCK INSUL. GLASS (3/8" X 1-1/4" X 4" LG.) (DUROMETER 85±5)   | EPDM       | CENTRAL PLASTICS INC.    |
| 13     | SMI-P04      | AS REQD.  | THERMAL BRAKE SPACER FOR ALUM SPLICE                                   | RIGID PVC  | CENTRAL PLASTICS INC.    |
| 14     | #12 X 1-1/2" | 4/ CORNER | FRAME ASSEMBLY SCREWS                                                  | ST. STEEL  | HEX. HEAD MACHINE SCREWS |
| 15     | -            | AS REQD.  | REINFORCING CHANNEL (36 KSI MIN.)                                      | STEEL      | -                        |

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME TO BE SEALED WITH DOW CORNING CWS, GE 2000 OR PECORA 895 SILICONE SEALANT.



FL #25948

|       |          |        |           |          |       |
|-------|----------|--------|-----------|----------|-------|
| date: | 03-19-25 | scale: | 1/2" = 1" | dr. by:  | TARIQ |
|       |          |        |           | chk. by: |       |

| revisions: |      |             |
|------------|------|-------------|
| no.        | date | description |
|            |      |             |
|            |      |             |
|            |      |             |
|            |      |             |
|            |      |             |
|            |      |             |
|            |      |             |
|            |      |             |
|            |      |             |
|            |      |             |

|             |          |
|-------------|----------|
| drawing no. | 25-37F   |
| sheet       | 10 of 10 |